

## Factoring Drill Pair Review

GCF	GCF	Trinomial	Trinomial	Difference Of two squares	Difference Of two squares
$15w + 21$	$6a^2 - 8a$	$k^2 + k - 42$	$f^2 - 25f - 26$	$b^2 - 64$	$16x^2 - 81$
$x^3 + 7x^2 - 5x$	$5b^4 - 10b^3 - 15b$	$h^2 - 16h + 64$	$x^2 + 7x + 10$	$36j^2 - 100$	$25b^2 - 64$
$9x^3 - 4x^2 + 18x$	$36v + 24$	$d^2 - 16d + 55$	$y^2 - 12y - 28$	$4x^2 - 121$	$49b^6 - 100$
$6x - 4$	$10x^3 - 25x + 20$	$c^2 + 24c + 144$	$x^2 - x - 42$	$81c^4 - 25$	$p^2 - 1$
$2t^2 - 10t^6$	$13ab^3 + 39a^2b^3$	$r^2 + 2r - 24$	$k^2 - 40k + 400$	$144n^2 - 36$	$256c^2 - 16$

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GCF	GCF	Trinomial	Trinomial	Difference Of two squares	Difference Of two squares
$\frac{15w+21}{3 \quad 3}$ $3(5w+7)$	$\frac{6a^2-8a}{2a \quad 2a}$ $2a(3a-4)$	$k^2+k-42$ $(k+7)(k-6)$	$f^2-25f-26$ $(f-26)(f+1)$	$b^2-64$ $(b+8)(b-8)$	$16x^2-81$ $(4x-9)(4x+9)$
$\frac{x^3+7x^2-5x}{x \quad x \quad x}$ $x(x^2+7x-5)$	$\frac{5b^4-10b^3-15b}{5b \quad 5b \quad 5b}$ $5b(b^3-2b^2-3)$	$h^2-16h+64$ $(h-8)(h-8)$ $(h-8)^2$	$x^2+7x+10$ $(x+5)(x+2)$	$36j^2-100$ $(6j-10)(6j+10)$	$25b^2-64$ $(5b-8)(5b+8)$
$\frac{9x^3-4x^2+18x}{x \quad x \quad x}$ $x(9x^2-4x+18)$	$\frac{36v+24}{12 \quad 12}$ $12(3v+2)$	$d^2-16d+55$ $(d-11)(d-5)$	$y^2-12y-28$ $(y-14)(y+2)$	$4x^2-121$ $(2x-11)(2x+11)$	$49b^6-100$ $(7b^3-10)(7b^3+10)$
$\frac{6x-4}{2 \quad 2}$ $2(3x-2)$	$\frac{10x^3-25x+20}{5 \quad 5 \quad 5}$ $5(2x^3-5x+4)$	$c^2+24c+144$ $(c+12)(c+12)$ $(c+12)^2$	$x^2-x-42$ $(x+6)(x-7)$	$81c^4-25$ $(9c^2-5)(9c^2+5)$	$p^2-1$ $(p-1)(p+1)$
$\frac{2t^2-10t^6}{2t^2 \quad 2t^2}$ $2t^2(1-5t^4)$	$\frac{13ab^3+39a^2b^3}{13ab^3 \quad 13a^2b^3}$ $13ab^3(1+3a)$	$r^2+2r-24$ $(r+6)(r-4)$	$k^2-40k+400$ $(k-20)(k-20)$ $(k-20)^2$	$144n^2-36$ $(12n-6)(12n+6)$	$256c^2-16$ $(16c-4)(16c+4)$